

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-025319**Date Inspected:** 23-Jun-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Corporation, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Mr. Mai Quin Li**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Steel Barriers**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Delbert Humphrey was present during the times noted above for observations relative to the work being performed at ZPMC.

Bay #14

NDT

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No. 09569.

This QA inspector performed Magnet Particle Testing (MT) of approximately 15% of an area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA Inspector generated an MT report for this date. Time of inspection was 8:00 hours. The members are identified as follows OBG Component. The weld designations reviewed are as follow: (P)FB3270-001-003, (P)FB3270-001-004, (P)FB3270-001-005, (P)FB3270-001-006, (P)FB3270-001-007, (P)FB3270-001-008, (P)FB3270-001-009, (P)FB3270-001-010, (M)FB3275-001-017, (M)FB3275-001-018, (M)FB3275-001-019, (M)FB3275-001-020, (P)FB3281-001-017, (P)FB3281-001-018, (P)FB3281-001-019, (P)FB3281-001-020, (G)FB3284-001-017, (G)FB3284-001-018, (G)FB3284-001-019, SEG3019Z-003, (G)FB3284-001-020, SEG3019Z-003, SEG3019X-003, SEG3019X-003, SEG3019X-010, SEG3019X-001, SEG3019X-002, SEG3019X-101, SEG3019X-002, SEG3019X-119, SEG3019X-120, SEG3019X-121, SEG3019X-122, SEG3019X-123, SEG3019X-124, SEG3019X-125, SEG3019X-126, SEG3019X-127, SEG3019X-128, SEG3019X-129, SEG3019X-130, SEG3019X-130, SEG3019X-131, SEG3019X-131 SEG3019X-132, SEG3019X-133, SEG3019X-134, SEG3019X-137, SEG3019X-138, SEG3019G-2-207, SEG3019F-083, SEG3019F-100, SEG3019J-144, SEG3019J-145,

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SEG3019J-140, SEG3019J-141, SEG3019H-193, SEG3019L-110, SEG3019L-111, SEG3019M-019, SEG3019M-079, SEG3019M-080, SEG3019M-081, SEG3019P-121, SEG3019L-333, SEG3019L-334, SEG3019L-331, SEG3019L-332, SEG3019Y-015, SEG3019Y-016, SEG3019Y-059, SEG3019Y-009, SEG3019Y-011, SEG3019AA-069, SEG3019AA-009, SEG3019AA-010, SEG3019T-109, SEG3019T-110, SEG3019T-111, SEG3019T-112, SEG3019T-113, SEG3019T-114, SEG3019T-115, SEG3019T-116, SEG3019AZ-017, SEG3019AZ-007, SEG3019AZ-149, SEG3019AZ-172, SEG3019AG-008, SEG3019AG-009, SEG3019AG-010, SEG3019AG-011, SEG3019AG-012, SEG3019AG-013, SEG3019AG-014, SEG3019AG-015, SEG3019AG-016, SEG3019AG-017, SEG3019AG-018, SEG3019AG-019, SEG3019AG-020, SEG3019AG-021, SEG3019AG-022, SEG3019AG-023, SEG3019AG-024, SEG3019AG-025, SEG3019AP-006, SEG3019AP-007, SEG3019AP-008, SEG3019AP-009, SEG3019AP-010, SEG3019AP-011, SEG3019AP-012, SEG3019AP-013, SEG3019AP-014, SEG3019AP-015, SEG3019AP-016, SEG3019AP-017, SEG3019AP-018, SEG3019AP-019, SEG3019AP-020, SEG3019AP-021, SEG3019AP-022, SEG3019AP-023, SEG3019AP-024, SEG3019AP-025, SEG3019AP-006, SEG3019AP-007,

OBG Bay # 19

WELDING

This QA Inspector observed the following work in progress:

SMAW welding of weld identified as Plate BKY97D, located on Bike Path, BK24A. Welder is identified as 062808. ZPMC Quality Control (QC) is identified as Mr. Peng Wen Jun. The welding variables recorded by QC appeared to comply with WPS-B-P-2112.

Bay #19

NDT

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No. 09559.

This QA inspector performed Magnet Particle Testing (MT) of approximately 15% of an area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA Inspector generated an MT report for this date. Time of inspection was 8:45 hours. The members are identified as follows OBG Component. The weld designations reviewed are as follow:

BK2424A10-001- 010, 013, 015, 017, 023, 025, 027, 029, 009, 012, 065, 022, 066, 067

BK025A1-001- 007~009, 011~014, 020~024, 001, 002, 004, 055, 019, 025

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

Summary of Conversations:

No relevant conversations were reported on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, 15000422372, who represents the Office of Structural Materials for your project.

Inspected By: Humphrey, Delbert

Quality Assurance Inspector

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Reviewed By: Hall,Steven

QA Reviewer